

About us

2016

Origins as an ISV - Developed complet

- Developed complete IT in the cloud practice
- Hundreds of customers fully in the cloud

2017 - 2018



A Redmond based startup from
People Tech Group launches a suite of
powerful, intuitive tools to help
manage desktop environments
OnPremise & cloud

RDS on Azure

- Assessment and migration of RDS workload to Azure
- Built Azure RDS Manager console to accelerate RDS on Azure

hello.rds

The best platform to setup, manage, track scale RDS/ RDMI on Azure



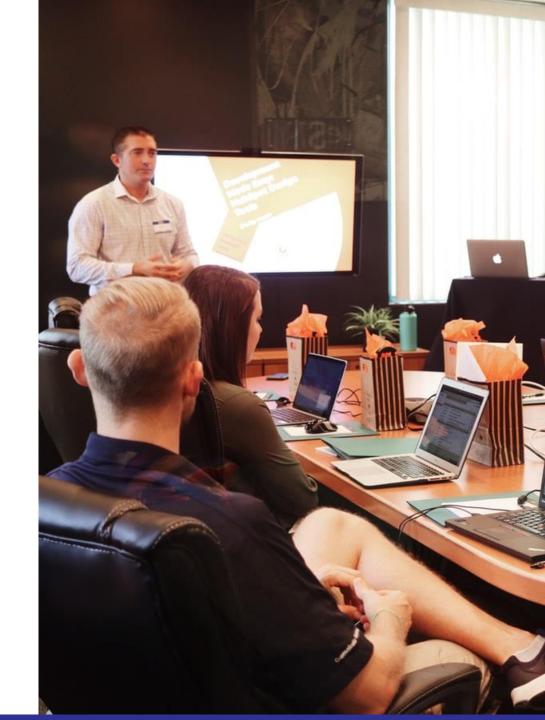
Our Mission & Experience

Simple solutions to manage + monitor the Modern Workplace (On Premise & Cloud)

To drive every organization to empower employees with a secure and self-managed modern desktop infrastructure.

As a Microsoft Partner we logged over 50 combined years of experience during Microsoft's transition from RDS to RDS on Azure and now for WVD

Nobody has more WVD experience than we do!!





Our Products

DaaS Manager: A WVD accelerator platform to manage, monitor and modernize the desktop infrastructure on Azure
Unified solution to manage WVD and M365 workloads

WaaS Manager: A holistic solution to migrate windows 7 to windows 10 with a seamless app & hardware compatibility on on-premises or on cloud

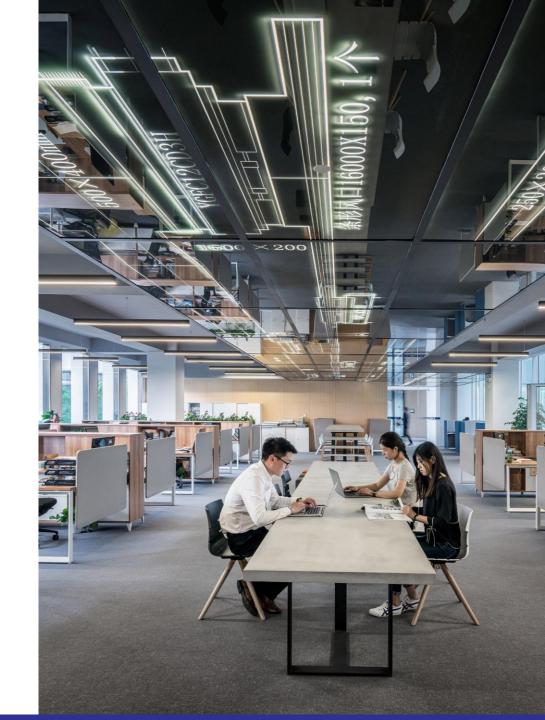




Ubikite DaaS Manager

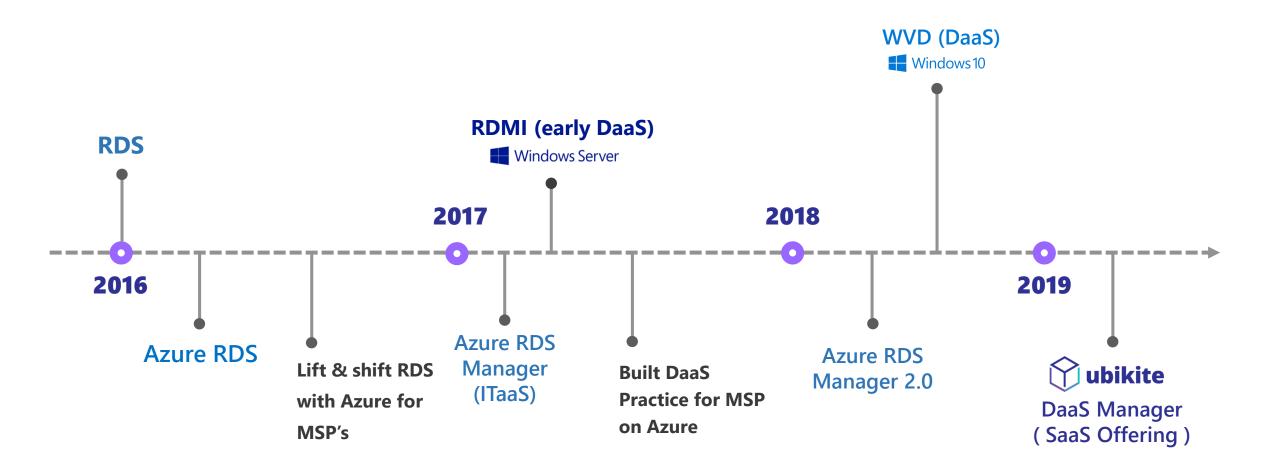
Ubikite DaaS Manager helps organizations of all sizes to access costsaving, enterprise-grade virtualized desktop infrastructure!

- ✓ Azure-exclusive solution provider, is uniquely-equipped to assess cloud readiness and adapt DaaS efficiently.
- ✓ Provides a comprehensive WVD + M365 toolkit for IT managers.
- ✓ We offer tools and services that make enterprise-grade software simpler
- ✓ Facilitates enterprise-grade infrastructure without the enterprisegrade costs.





Our Journey: RDS ↔ WVD





Value



manage, monitor and

remediate user sessions

Unified platform for managing the modern workplace (WVD, M365, Azure etc..)

backup services to

optimize the cost

Unified



management simple than

ordering lunch



Capabilities



Deploy

Assess, migrate to efficient desktop infrastructure with shortest time-to-implementation



Manage

Control all your WVD resources from one centralized plane



Monitor

Real-time visualization allows you to quickly find and fix issues proactively.



Optimize

Lower total cost of ownership, quicker recovery time



Last updated: 11:39:08, 2019-01-16

Organization Dashboard

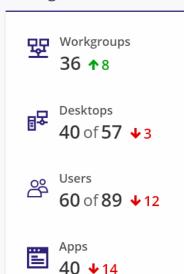
Manage Workgroups

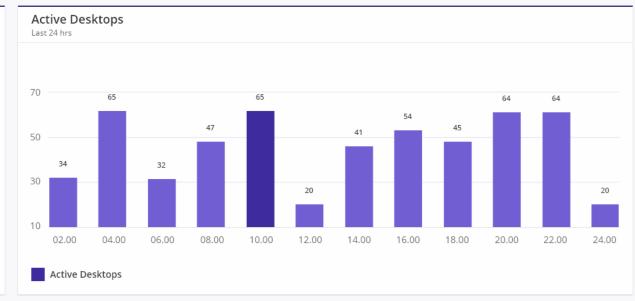
Manage Desktops

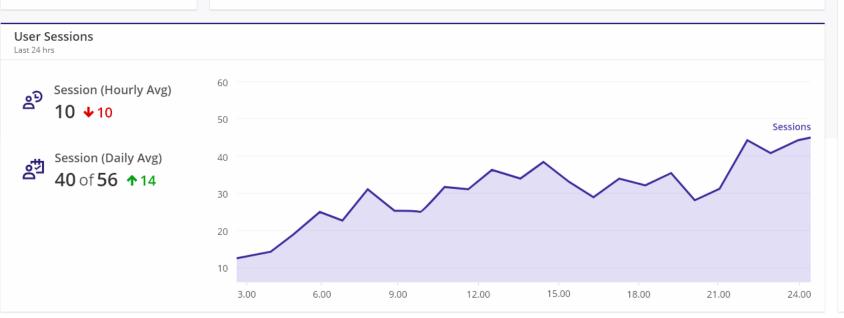
Manage Appgroups

Default Tenant Group

Management Overview - AdventureWorks >







Activity

Last 24 hrs

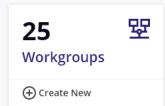
Today

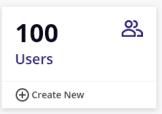
- Jack Howden initiated Desktop Application on Desktop00 (Accounting) at 12:33:11, 2019-05-03
- Robert Larsson and 2 others initiated Desktop Application on Desktop02 (Accounting) at 12:33:11, 2019-05-03
- Jack Howden initiated Desktop Application on Desktop00 (IT Services) at 12:33:11, 2019-05-03
- Robert Larsson and 2 others initiated Desktop Application on Desktop00 (Human Resources) at 12:33:11, 2019-05-03
- Jack Howden initiated Desktop Application on Desktop01 (Accounting) at 12:33:11, 2019-05-03
- Robert Larsson and 2 others initiated Desktop Application on Desktop00 (Product design) at 12:33:11, 2019-05-03
- Jack Howden initiated Desktop Application on Desktop00 (Product design) at 12:33:11, 2019-05-03
- Robert Larsson initiated Desktop Application on Desktop01 (Product design) at 12:33:11, 2019-05-03
- Jack Howden initiated Desktop Application on Desktop00 (Product design) at 12:33:11, 2019-05-03
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- Robert Larsson initiated Desktop Application on Desktop01 (Product design) at 12:33:11, 2019-05-03

Home > View Organization

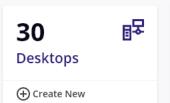
AdventureWorks Organization Pedit

The AdventureWorks Database supports a fictitious, multinational manufacturing company called Adventure Works Cycles.

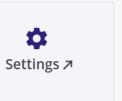




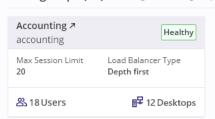


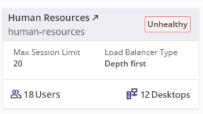


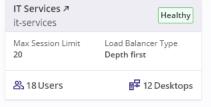




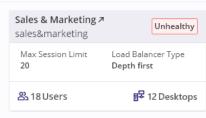


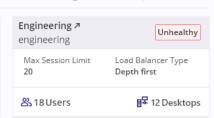












← Create New Tile View ~

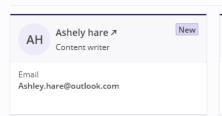
(+) Create New Tile View ~

Sort by: Newest first >

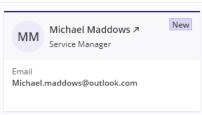
View: All ~

Show more v

Users (100) Manage all users >







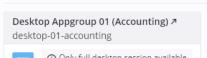


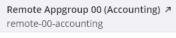




Show more v

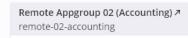
Appgroups (60) Manage all appgroups >

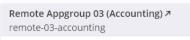


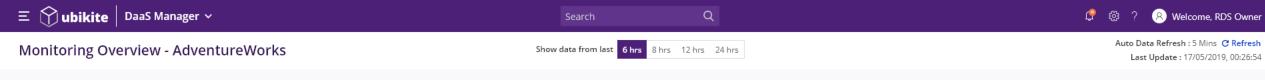






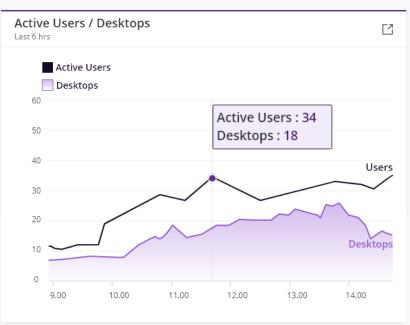


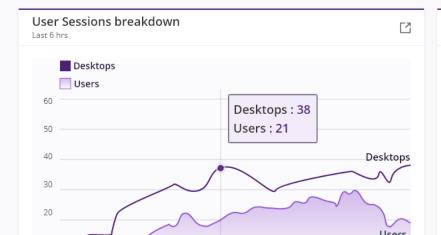


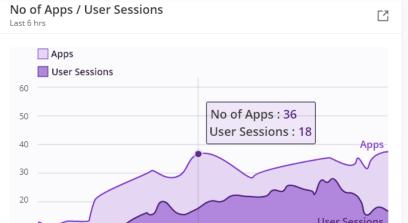


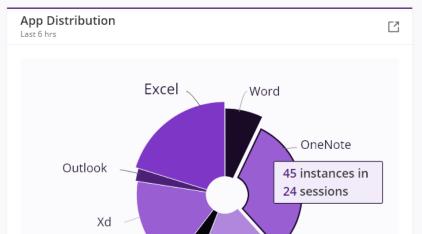


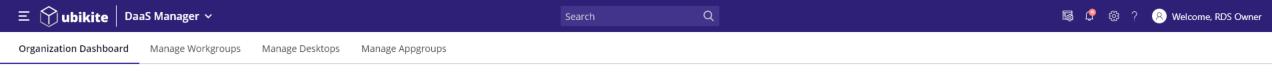












Home → AdventureWorks Organization → Desktops →

Desktop 00 (Accounting) Healthy Drain mode: Off Desktop 00 (Accounting)

Fully Qualified Domain: win10-O365-01.PeopleTechCSP.onmicrosoft.com



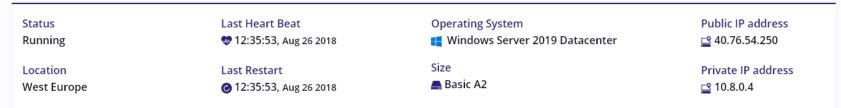


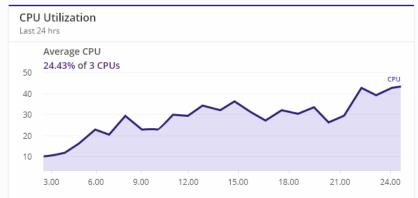
24.43%
CPU Utilization

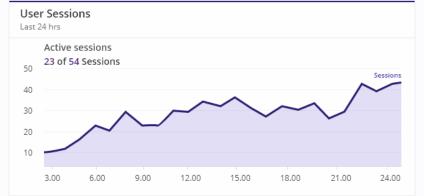
26%
Memory usage

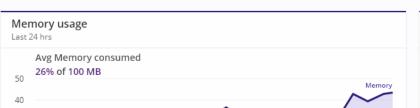
70.6 MBDisk Read Bytes

72.5 MBDisk Write Bytes

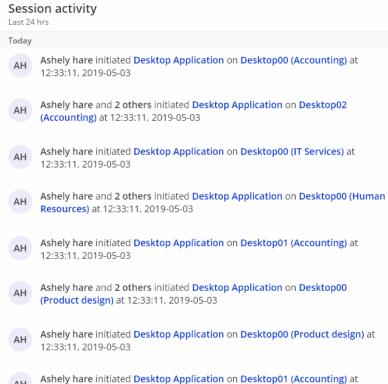












12:33:11, 2019-05-03

Show data from: Last 7 days >

Organization Dashboard

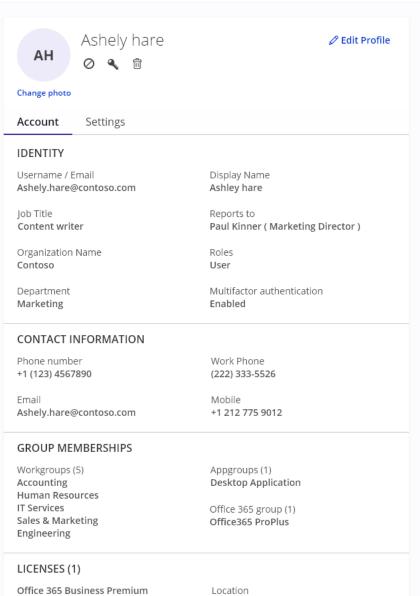
Manage Workgroups

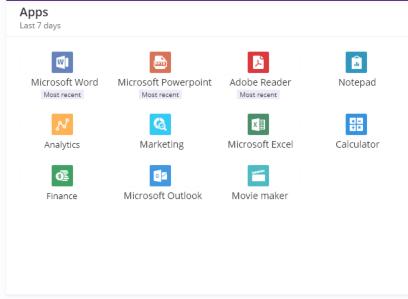
Manage Desktops

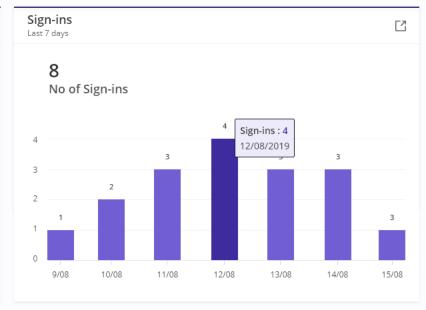
Manage Appgroups

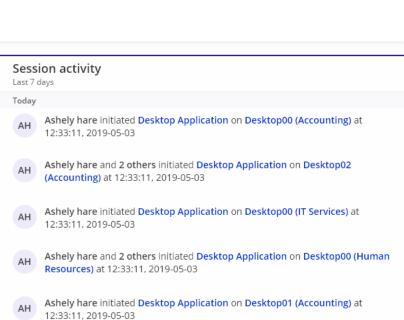
Home > AdventureWorks Organization > Users

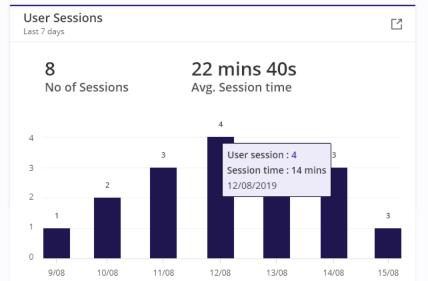
Ashely Hare



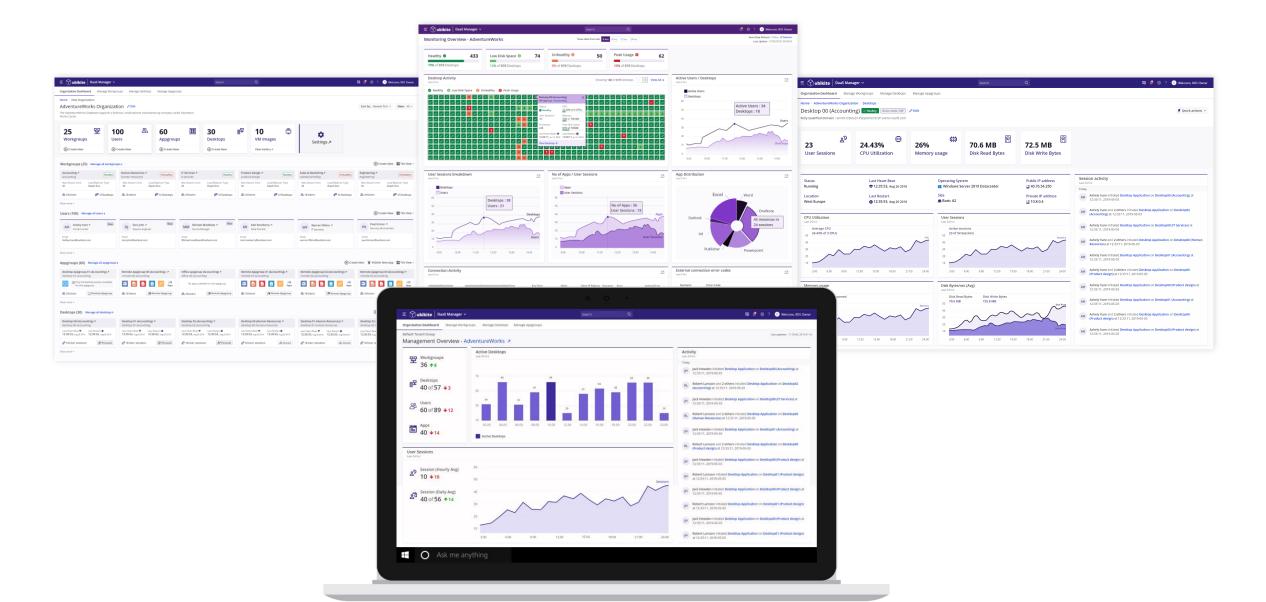








Demo



Use cases



ITaaS (SMC)

Full win 7 migration from onprem to Azure

Completely eliminate the need for local infrastructure

Lift & shift your multi-session infrastructure



RDS on Azure

Extend existing IT into Azure for remote users

Replace existing on-prem RDS deployments with WVD

Phase-in from onpremise to Cloud



DaaS

Desktop-as-a-Service

Always up to date platform with security & stability from Windows 10

Support call center or remote offices environments





Windows Virtual Desktop (WVD) will compete against Citrix. in our target scenarios

		Windows Virtual Desktop	CITRIX XenDesktop	CITRIX XenApp
		Desktop and app streaming service	Private Cloud desktop service	App streaming service
Replace/Migrate on- prem virtual desktop deployments	Migrate workloads to cloud for flexibility and cost savings Reduce management complexity and enhance security Modernize infrastructure		✓	· War
Sell New Windows Virtualization	Provide modern, consistent, and secure Windows 10 user experience at low cost		✓	
Manage Win 7 End of Support with WVD	Continue running Win7 apps, while modernizing your PC footprint			



WVD is differentiated compared to Citrix

Differentiated Customer Benefits for WVD



Windows 10 Multi-session

1 The only way to deploy Windows 10 Multi-session



Product Capabilities

- 2 Single-service offering for both virtual desktop and RemoteApp
- 3 Enhanced security via reverse connect technology and AAD integration



Economics

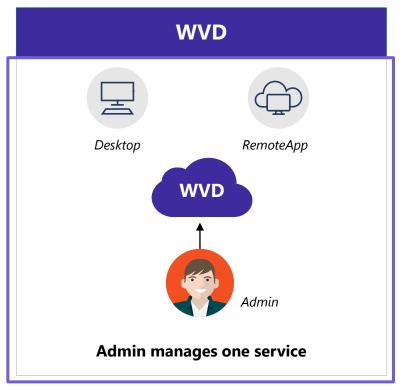
- 4 Delivers native Windows 10 experience at advantaged cost
- Includes 3-year Windows 7 Extended Security Updates



2 WVD is a single-service offering for both virtual desktop and RemoteApp

- Citrix customers have to manage two separate services for virtual desktops and apps
- WVD customers manage one service for both virtual desktop and RemoteApp







WVD Customer Benefit

Customer learns and manages one service for both VDI and session host deployments – simpler and require less time



1 The only way to deploy Windows 10 Multi-session

- With XenDesktop, customers can only deploy single-session personal desktops
- WVD customers can choose from a diverse range of deployment models, including Windows 10 Multi-session
- WVD can deliver pooled deployment with persistent end-user experience



WVD				
os	Single-session	Multi-session		
Windows 10	✓	✓		
Windows 7	✓			
Windows Server	✓	✓		
Personal Pooled				
Environment Type	✓	✓		

Citrix XenDesktop				
os	Single-session	Multi-session		
Windows 10	✓	*		
Windows 7	✓			
Windows Server	✓	×		
Personal Pooled				
Environment Type	✓	×		



WVD improves user experience with local drive redirection capability and strong multi-monitor support

XenDesktop Differentiation

WVD Differentiation

Product Capabilities		WVD		Citrix XenDesktop		
Protocol	RDP / PCOIP	RDP		PCOIP		
	UDP Audio	*		√		
	Local Drive Redirection	✓		×		
	Local Printing Redirection	✓		✓		
	Audio Redirection	✓		✓		
	Video Redirection	✓		✓		
	Clipboard Redirection	✓		✓		
	Supported Peripherals	Keyboard, mouse Touch input; audio output to client device; analog and USB headsets ¹		Keyboard, mouse Touch input; audio output to client device; analog and USB headsets		
Multi-monitor Support		Max 16 monitors (Up to 8k resolution each)		Max 4 monitors (up to 4k resolution)		
Key Benefits 2 3		WVD improves user experience with local drive redirection capability and strong multi-monitor support		XenDesktop customers enjoy low-latency audio		



Deployment and Client Support

DIFFERENCES

		Windows Virtual Desktop	XenDesktop	XenApp
	OS Support	Win7, Win10, Win10 multi-session. WS 2012, WS 2016, WS 2019	Win7 ¹ , Win10 ¹ , WS 2008 R2 ² WS 2016 ³ , Linux	WS 2012 R2
	Deployment	Server-based, Client-based	Server-based, Client-based ¹	Server-based
	Session Model	Single-session, Multi-session	Single-session	Multi-session
Deployment and Client	Environment Types	Personal, Pooled	Personal	Pooled
Support	Service	Desktop and RemoteApp	Desktop	Арр
	Application Publishing	Windows applications, SaaS/ Web applications		Windows applications, SaaS/ Web applications
	Client Support	Windows, MacOS / iOS, HTML5, Android, Linux ⁴	Windows, MacOS / iOS, HTML5, Android, Linux, Chromebook	Windows, HTML5
	Customization and Extensibility	Support custom branding (limited) Rest APIs to enable integration	Rest APIs to enable integration	



WVD is the only way to deliver Windows 10 multi-session experience along with other diverse deployment support to fit customer needs

WVD Differentiation

WorkSpaces Differentiation

Deployment and Client Support		WVD	Citrix Xen Desktop
	Windows 10 multi-session	1	×
	Windows 10	✓	√1
	Windows 7	✓	√1
06.6	Windows Server 2019	✓	×
OS Support	Windows Server 2016	✓	✓
	Windows Server 2012 R2	×	*
	Windows Server 2008 R2	✓	√2
	Linux	×	3 ✓
. .	Server-based	✓	✓
Deployment	Client-based	✓	√1
6	Single-session	✓	✓
Session Model	Multi-session	→	×
Environment	Personal	√	✓
Types Pooled		✓	×
Key Benefits		WVD is the only way to deliver rich Windows 10 multi-session experience	3 Citrix supports Linux virtual desktop
		WVD offers diverse deployment support to fit customer needs	



WVD is a single-service offering for both virtual desktop and

RemoteApp

WVD Differentiation

Not Available

WorkSpaces Differentiation

					Tromopados Emercinados
Deployment and Client Support		WVD		XenDesktop	XenApp
Service	Virtual Desktop	((One Semine)		✓	×
Service	Virtual App	1) ✓ (One Service)		×	✓
	Windows	✓		✓	✓
	MacOS / iOS	✓		✓	
Client Cumpart	HTML5	✓		✓	✓
Client Support	Android	✓		✓	
	Chromebook	×	2	✓	
	Linux	√ 1		✓	
Customization	Support custom branding	✓ (limited)		×	
and Extensibility	Rest APIs to enable integration	✓		✓	
Application	Windows applications	✓		×	✓
Publishing	SaaS/ Web applications	✓		×	✓
Key Benefits		WVD is a single-service offering for both virtual desktop and RemoteApp	2	XenApp has stronger r	non-Windows client support



Win10 single-session (pooled) in WVD vs. Citrix Windows bundle Standard option - BYOL

Cost Driver

	WVD	XenDesktop (Windows bundle Standard option - BYOL)
Deployment	Windows 10 single-session (pooled)	Windows 10 single-session (personal)
Infrastructure		
Region	US East	US East
vCPU	2 (VM: B2S)	2
Memory	4 GB (VM: B2S)	4GB
# Users per VM	1	1
OS Disk / Root Volume	127 GB	80 GB
Profile Storage / User Volume ²	64 GB	50 GB
Billing Option	1-year Reserved Instance	Monthly
Peak Concurrency	80%	N/A
Infrastructure Cost (per user per month)	\$29 ¹	
Licensing		
Windows 10 Enterprise	Free with M365, Software Assurance	BYOL, Citrix Licensing applies
Total Cost (per user per month)	\$29 ¹	\$87



Win10 multi-session (pooled) in WVD vs. WorkSpaces Windows bundle Standard option - BYOL

	WVD	XenDesktop (Windows bundle Standard option - BYOL)
Deployment	Windows 10 multiple-session (pooled)	Windows 10 single-session (personal)
Infrastructure		
Region	US East	US East
vCPU	4 (VM: D4s v3)	2
Memory	16GB (VM: D4s v3)	4GB
# Users per VM	6	1
OS Disk / Root Volume	127 GB	80 GB
Profile Storage / User Volume ²	64 GB	50 GB
Billing Option	1-year Reserved Instance	Monthly
Peak Concurrency	80%	N/A
Infrastructure Cost (per user per month)	\$20 ¹	
Licensing		
Windows 10 Enterprise	BYOL	BYOL
Total Cost (per user per month)	\$20 ¹	\$87



Economics

	Windows Virtual Desktop	Citrix XenDesktop
Packaging	Service plus infrastructure	Service Only (Can be bundled with infrastructure on AWS)
Pricing	laaS pricing (usage-based)	Per user, pre-defined pricing
Billing Options	Pay-as-you-go (Hourly)1-year Reserved Instance3-year Reserved Instance	HourlyMonthly
Bundle Options	• N/A	 Windows bundle (Windows Server based)¹ Windows bundle – BYOL (Windows Client based)^{1, 5}
Compute	All VMs availableAll OS disk size and tiers available	 Enterprise specific compute configurations² Enterprise specific Root Volume sizes³
Storage	 Available Solutions: File Server, Azure NetApp Files, Azure Files All storage tiers and size available 	 Default Solution (not at customer choice): SSD/HDD volume Enterprise specific User Volume sizes⁴
Networking	All networking options availableCharged for outbound traffic only	Xen's Virtual Private NetworkCharged for outbound traffic only (cost not included in the bundle)
BYOL	Allowed	• Conditionally allowed ⁵
RDS CAL	Not required for client-based deploymentRequired for server-based deployment	 Do not support bring your own license for RDS CAL RDS licensing fee is additional in the Windows bundle options
Office Use Rights	 Purchased separately (included if customers own M365) Traffic between O365 and virtual desktop stays in Azure 	 Additional \$15 per month with "Plus applications bundle" Additional network egress cost for traffic between O365 and Citrix (on AWS)
Others	Windows Server license included for session host VMs3-year Win7 ESU included	



DaaS Manager & your IT

Our unified console helps IT team to efficiently manage the multi-session virtual infrastructure on Azure and extending your on premises ensuring a single sign on experience for all users.

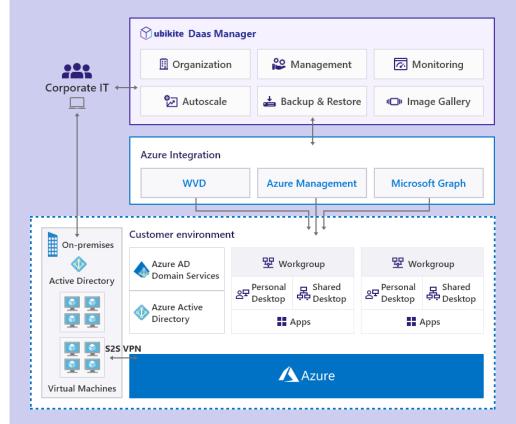
Extends the AD Identity management with AADS and Azure AD

Enables site to site VPN between Azure VM's and your on-premise environment for simplified access (optional)

Enables user provisioning, group and access management right within DaaS manager

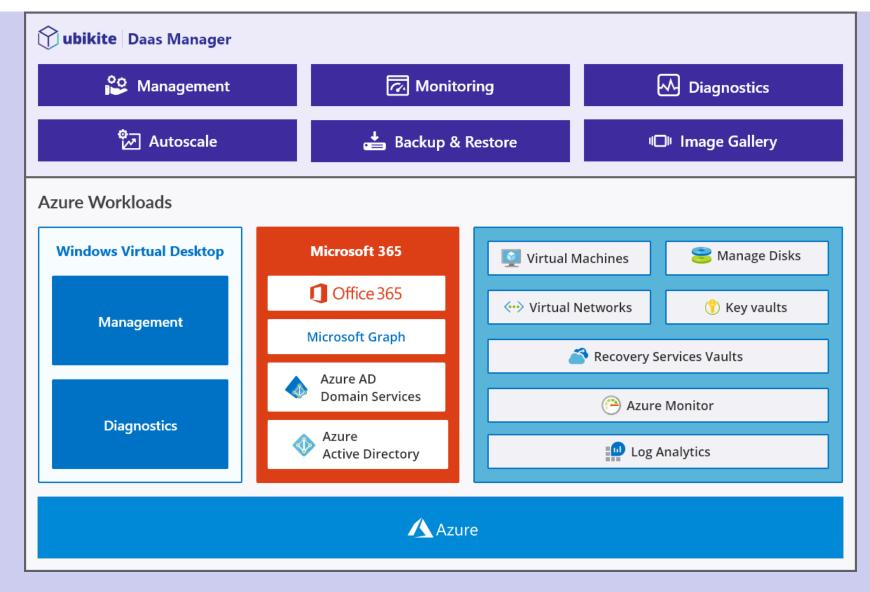
Create, manage and track resources across workloads with our unified azure integration layer

Secure access from web console to all your resources via key vault





High Level Architecture

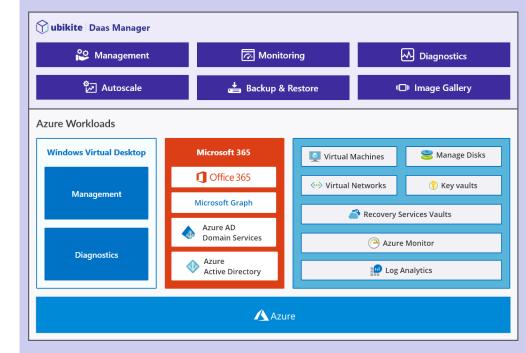




High Level Architecture

Web based console for WVD, Azure and M365 management Deploy and manage multi-session VMs in your Azure subscription Leverages Azure virtualization infrastructure for hosting Centralizes logs and diagnostics information with Log Analytics Manages secure and timely backups with Recovery Services Vaults Managed Disks for creating custom VM Images in the gallery User, License and permission management with Microsoft Graph

Secure access to Azure resources with keyvaults







Thank you.

